

Supplemental Amendment
USSN 10/766,840

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Previously Presented) A data transmission cable for connection to mobile devices, comprising at least two insulated conductors twisted into a pair, in which the pair is enclosed by an electric shield which is surrounded by a jacket made of an insulating material, wherein the two conductors which are insulated by a solid unfoamed material are twisted together with two strands made of a foamed insulating material to form a core,

the core is enclosed by a first foil made of a foamed insulating material to form an insulated core, and

the shield comprises three layers, with an inner metal strip that has a metal layer and an insulating layer, an outer metal strip that is made of two metal layers and an insulating layer disposed therebetween, and a stranding made of tin-plated copper wires arranged over the outer metal strip with $\geq 90\%$ coverage, and

the inner metal strip with the metal layer facing outward is wound around a core structure with a gap while the outer metal strip is wound around the inner metal strip also with a gap staggered with respect to, and thereby covering, the gap of the inner metal strip, said core structure comprising at least one said insulated core.

2. (Canceled)

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3. (Canceled)

4. (Previously Presented) A data transmission cable for connection to mobile devices, comprising at least two insulated conductors twisted into a pair, in which the pair is enclosed by an electric shield which is surrounded by a jacket made of an insulating material, wherein the two conductors which are insulated by a solid unfoamed material are twisted together with two strands made of a foamed insulating material to form a core, the core is enclosed by a first foil made of a foamed insulating material to form an insulated core, the shield comprises inner and outer metal strips, which are made as tubular hollow strands braided from wires and are subsequently pressed into metal strips, and the inner metal strip is wound around a core structure with a gap, while the outer metal strip is wound around the inner metal strip also with a gap staggered with respect to, and thereby covering, the gap of the inner metal strip, said core structure comprising at least one said insulated core.

5. (Previously Presented) A cable as claimed in claim 4, wherein a stranding of tin-plated copper wires is placed over the outer metal strip with $\geq 90\%$ coverage.

6. (Canceled)

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7. (Previously Presented) A cable as claimed in claim 4, wherein
said core structure comprises at least two said insulated cores twisted together with at
least two second strands made of a foamed insulating material to form a unit which is enclosed
by a second foil made of a foamed insulating material, and
the shield is placed over the second foil.

8. (Currently Amended) A data transmission cable ~~for connection to mobile devices,~~
~~comprising at least two insulated conductors twisted into a pair, in which the pair is enclosed by~~
~~an electric shield which is surrounded by a jacket made of an insulating material~~ as claimed in
claim 1, wherein

~~the two conductors which are insulated by a solid unfoamed material are twisted together~~
~~with two strands made of a foamed insulating material to form a core,~~

~~the core is enclosed by a first foil made of a foamed insulating material to form an~~
~~insulated core,~~

~~the shield is formed around a core structure and comprises at least one metal strip made~~
~~of an electrically well conducting material that is formed into a closed tubular sleeve wherein~~

said core structure comprises at least two said insulated cores twisted together with at
least two second strands made of a foamed insulating material to form a unit which is enclosed
by a second foil made of a foamed insulating material, and

said shield is placed over the second foil.

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9. (Previously Presented) A cable as claimed in claim 1, wherein the metal layers of the metal strips used for the shield are made of copper.

10. (Previously Presented) A cable as claimed in claim 1, wherein the insulating material of the metal strips of the shield is made of polyester.

11. (Previously Presented) A cable as claimed in claim 1, wherein the strands of a foamed insulating material are made of polyethylene or polypropylene.

12. (Previously Presented) A cable as claimed in claim 1, wherein the foils are made of polytetrafluoroethylene.

13. (Previously Presented) A cable as claimed in claim 1, wherein the inner and outer metal strips of the shield are stranded or wound in the same direction.

14. (Previously Presented) A cable as claimed in claim 13, wherein the inner and outer metal strips of the shield are stranded or wound at the same angle.

15. (Original) The use of a cable as claimed claim 1 for transmission rates of at least 100 Mbit/sec.

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16. (Previously Presented) A cable as claimed in claim 4, wherein the strands of a foamed insulating material are made of polyethylene or polypropylene.
17. (Previously Presented) A cable as claimed in claim 4, wherein the foils are made of polytetrafluoroethylene.
18. (Previously Presented) A cable as claimed in claim 4, wherein the inner and outer metal strips of the shield are stranded or wound in the same direction.
19. (Previously Presented) A cable as claimed in claim 18, wherein the inner and outer metal strips of the shield are stranded or wound at the same angle.
20. (Previously Presented) The use of a cable as claimed claim 4 for transmission rates of at least 100 Mbit/sec.